

**Amendments to the Drawings:**

The attached sheet labeled "Replacement Sheet" includes changes to FIG. 4.

In the amended FIG. 4, symbol 64B is added to represent a bottom surface of the substrate, symbol 64T is added to represent a top surface of the substrate,  
5 symbol 64S is added to represent a side edge of the substrate, and symbol 66S is added to represent a side edge of the frame layer. These features can be clearly seen in the original FIG. 4, so no new matter is added.

**This listing of claims will replace all prior versions, and listings of claims in the application:**

Listing of Claims:

- 5        Claim 1 (currently amended): A cleaning system, comprising:  
a combination of a substrate and a frame layer arranged on the substrate to form a chamber together with the substrate;  
a sealed up body formed with a cleaning room, wherein the substrate is disposed in the cleaning room and fixed to an upper portion of the sealed up body  
10 with the chamber facing downwards; and  
a first ~~nozzle, cleaning mechanism,~~ which is disposed in the cleaning room of the sealed up body and disposed below the combination of the substrate and the frame layer, for jetting out ejecting a cleaner in a form of a stream moving in one and only one direction toward the chamber of the combination of the substrate and the frame layer slantingly upwards to clean the chamber of the combination of the  
15 substrate and the frame layer.
- Claim 2 (previously presented): The cleaning system according to claim 1, wherein the sealed up body includes a lower element, a periphery wall connected to the lower element, and an upper cover connected to the periphery wall, and the  
20 substrate is fixed to the upper cover.
- Claim 3 (previously presented): The cleaning system according to claim 1, further comprising a vacuuming pump disposed in the cleaning room and under the chamber of the combination of the substrate and the frame layer.
- Claim 4 (previously presented): The cleaning system according to claim 1,  
25 wherein the cleaner is nitrogen or carbon dioxide.
- Claim 5 (previously presented): The cleaning system according to claim 1, wherein the cleaner is water.
- Claim 6 (currently amended): The cleaning system according to claim 1, further comprising a second ~~cleaning mechanism~~ nozzle disposed in the cleaning

room, ~~and opposite to the first cleaning mechanism.~~

5 Claim 7 (currently amended): The cleaning system according to claim 6,  
further comprising a vacuuming pump, which is disposed in the cleaning room  
and under the chamber of the combination of the substrate and the frame layer,  
wherein the vacuuming pump has a sucking port for sucking the cleaner, and the  
sucking port is disposed between the first ~~cleaning mechanism~~ nozzle and the  
second nozzle. ~~cleaning mechanism.~~

10 Claim 8 (New): The cleaning system according to claim 1, wherein the  
substrate has a bottom surface fixed to the upper portion of the sealed up body,  
and a top surface fixed to the frame layer.

Claim 9 (New): The cleaning system according to claim 1, wherein the  
substrate has a side edge aligned with a side edge of the frame layer.

15 Claim 10 (New): The cleaning system according to claim 1, wherein the one  
and only one direction is not perpendicular to the bottom surface of the substrate.

### REMARKS/ARGUMENTS

The specification and drawing have been correspondingly amended without adding new matters and will be explained as below.

5        In the specification, the changes include the following features without adding new matters.

1. The cleaning mechanisms 52 are nozzles. One of ordinary skill in the art may easily understand that the nozzle pertains to the cleaning mechanism with reference to the drawings of this application. For example, the examiner also  
10       thinks that the applicant is arguing a nozzle instead of the cleaning mechanism, as shown in the first paragraph in page 4 of the office action.

2. The substrate 64 has a bottom surface 64B fixed to the upper portion 50A of the sealed up body 50, a top surface 64T fixed to the frame layer 66, and a side edge 64S aligned with a side edge 66S of the frame layer 66, as shown in the  
15       amended FIG. 4.

3. The cleaner from the cleaning mechanism 52 is jetted out in a form of a stream moving in one and only one direction toward the chamber 68 of the combination of the substrate 64 and the frame layer 66

4. The one and only one direction is not perpendicular to the top surface 64T  
20       of the substrate 64.

Claims 1-10 are now present in this application. Claims 1, 6 and 7 have been amended according to the amended specification and FIG. 4. Claims 8-10 have been added.

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#### **Claim rejections – 35 U.S.C. 112**

Claims 1 and 6 are rejected under 35 U.S.C. 112.

In response to the rejection, claims 1 and 6 have been amended.

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#### **Claim rejections – 35 U.S.C. 102**

The examiner rejects claims 1-4 under 35 U.S.C. 102(b) as being anticipated

by Paranjpe (US 5494526).

Claim 1 has been amended to recite that:

the first nozzle is for jetting out a cleaner in a form of a stream moving in one and only one direction toward the chamber of the combination of the substrate  
5 and the frame layer.

Paranjpe does not teach these features because:

the heater (36) and the cleaning bath chamber (28) cannot be regarded as a nozzle; and

10 the heater (36) and the cleaning bath chamber (28) vaporizes the cleaning agent (34) in random diffusion and thus cannot jet out the cleaner in a form of a stream moving in one and only one direction toward the chamber of the combination of the substrate and the frame layer.

In addition, the combination of the heater (36) and the cleaning bath chamber  
15 (28) cannot jet *out* the cleaner toward the chamber of the combination of the substrate and the frame layer. This is because the chamber of the combination of the substrate and the frame layer is still located *within* the combination of the heater (36) and the cleaning bath chamber (28).

Considerations of the amended claim 1 and its dependent claims are  
20 therefore politely requested.

### **Introduction to the newly added claims**

In Claim 8, the substrate has a bottom surface fixed to the upper portion of the sealed up body, and a top surface fixed to the frame layer.

25 In Paranjpe's patent, however, the bottom surface of the substrate (16) is not fixed to the **upper portion** of the sealed up body if the combination (16+19) of the substrate and the frame layer is fixed to the **upper portion** of the sealed up body, as claimed in claim 1.

In Claim 9, the substrate has a side edge aligned with a side edge of the

frame layer.

In Paranjpe's patent, however, the substrate (16) does not have a side edge aligned with a side edge of the frame layer (18 or 19).

5 In Claim 10, the one and only one direction is not perpendicular to the bottom surface of the substrate. Paranjpe never discloses this feature.

In light of the above-mentioned amendments and remarks, Applicant now asserts that all of the grounds for rejections have been traversed or overcome by amendments, and that all of the present claims are in condition for immediate allowance. Applicant therefore requests reconsideration of the rejections and  
10 objections, and solicits allowance of the present claims at an early date.

Thank you for your consideration.



Ralph Willgohe

15 Reg. No. 48,800